

| L Number | Hits   | Search Text  | DB                  | Time stamp       |
|----------|--------|--|---------------------|------------------|
|          | 1628   | ((vary\$5 chang\$5 alter\$7) near4 (prf  | USPAT;              | 2002/10/18 12:10 |
| 1        |        | (pulse\$2 near2 repetition\$2)))   | US-PGPUB;           |                  |
|          |        |  | EPO; JPO;           |                  |
|          |        |  | DERWENT;            |                  |
|          | 171643 | //www.cc abangcc altore7) noar2 /fmc1auc1  | IBM_TDB<br>USPAT;   | 2002/10/18 10:48 |
| -        | 1/1643 | ((vary\$5 chang\$5 alter\$7) near3 (fm\$1cw\$1 cw carrier\$2 frequency))                           | US-PGPUB;           | 2002/10/10 10.40 |
|          |        | Cw Calliely2 llequency//   | EPO; JPO;           |                  |
|          |        |  | DERWENT;            |                  |
|          |        |  | IBM TDB             |                  |
| -        | 815    | (((vary\$5 chang\$5 alter\$7) near4 (prf   | USPAT;              | 2002/10/18 10:49 |
| ]        |        | (pulse\$2 near2 repetition\$2)))) and  | US-PGPUB;           |                  |
|          |        | (((vary\$5 chang\$5 alter\$7) near3 (fm\$1cw\$1  | EPO; JPO;           |                  |
| ]        |        | cw carrier\$2 frequency)))   | DERWENT;<br>IBM TDB |                  |
| 1_       | 15     | ((((vary\$5 chang\$5 alter\$7) near4 (prf  | USPAT;              | 2002/10/18 10:55 |
|          | 13     | (pulse\$2 near2 repetition\$2)))) and  | US-PGPUB;           | 2002,10,10       |
|          |        | (((vary\$5 chang\$5 alter\$7) near3 (fm\$1cw\$1  | EPO; JPO;           |                  |
| ·        |        | <pre>cw carrier\$2 frequency)))) and ((carrier\$2</pre>  | DERWENT;            |                  |
|          |        | frequency\$2) same (phase\$2 near2   | IBM_TDB             |                  |
| 1        | ;      | modulation\$2)) and ((carrier\$2   |                     |                  |
|          |        | frequency\$2) same (frequency near2  |                     |                  |
| 1_       | 130    | <pre>modulation\$2)) ((vary\$5 chang\$5) near4 (prf (pulse\$2</pre>                                | USPAT;              | 2002/10/18 12:19 |
|          | 130    | near2 repetition\$2))) and ((vary\$5   | US-PGPUB;           | 2002/10/10 12:13 |
|          |        | chang\$5) near4 ((carrier\$2 signal\$2   | EPO; JPO;           |                  |
|          |        | modulation) near2 frequency\$2))   | DERWENT;            |                  |
|          |        |  | IBM_TDB             |                  |
| -        | 85     | (((vary\$5 chang\$5) near4 (prf (pulse\$2  | USPAT;              | 2002/10/18 12:23 |
| ;        |        | near2 repetition\$2))) and ((vary\$5   | US-PGPUB;           |                  |
|          |        | chang\$5) near4 ((carrier\$2 signal\$2   | EPO; JPO;           |                  |
|          |        | modulation) near2 frequency\$2))) and ((prf (pulse\$2 near2 repetition\$2)) same                   | DERWENT;<br>IBM TDB |                  |
|          |        | (control\$5 deterministically\$2   | 1514_155            |                  |
|          |        | chaotically\$2))   |                     |                  |
| -        | 6      | (((vary\$5 chang\$5) near4 (prf (pulse\$2  | USPAT;              | 2002/10/18 12:23 |
|          |        | near2 repetition\$2))) and ((vary\$5   | US-PGPUB;           |                  |
|          |        | chang\$5) near4 ((carrier\$2 signal\$2   | EPO; JPO;           |                  |
|          |        | modulation) near2 frequency\$2))) and (phase\$2 near2 modulation\$2) and                           | DERWENT;<br>IBM_TDB |                  |
|          |        | (frequency\$2 near2 modulation\$2)   | 100-100             |                  |
| _        | 6      |  | USPAT;              | 2002/10/18 15:07 |
|          |        | near2 repetition\$2))) and ((vary\$5   | US-PGPUB;           |                  |
|          |        | chang\$5) near4 ((carrier\$2 signal\$2   | EPO; JPO;           |                  |
|          |        | modulation) near2 frequency\$2))) and ((prf  | DERWENT;            | ı                |
|          |        | (pulse\$2 near2 repetition\$2)) same   | IBM_TDB             |                  |
|          |        | (control\$5 deterministically\$2   |                     | -                |
|          |        | <pre>chaotically\$2))) and ((((vary\$5 chang\$5) near4 (prf (pulse\$2 near2 repetition\$2)))</pre> |                     |                  |
| ,        |        | and ((vary\$5 chang\$5) near4 ((carrier\$2   |                     |                  |
| ]        |        | signal\$2 modulation) near2 frequency\$2)))  |                     |                  |
| 1        |        | and (phase\$2 near2 modulation\$2) and   |                     |                  |
| 1        |        | (frequency\$2 near2 modulation\$2))  |                     |                  |
| ļ -      | 6      | ,  | USPAT;              | 2002/10/18 15:10 |
|          |        | ("4040057")).PN.   | US-PGPUB;           |                  |
|          |        |  | EPO; JPO; DERWENT;  |                  |
|          |        |  | IBM TDB             |                  |
| -        | 3      | (US-5764697-\$ or US-4387373-\$ or   | USPAT               | 2002/10/18 15:32 |
|          |        | US-4040057-\$).did.  |                     |                  |
| -        | 501    |  | USPAT               | 2002/10/18 15:41 |
| [        |        | modulat\$5))) and ((vary\$5 chang\$5) same   |                     |                  |
|          |        | (fm (frequency\$2 adj modulat\$5))) and<br>((vary\$5 chang\$5) near2 (prf (pulse\$2                |                     | W 14             |
|          |        | repetition\$2 frequency\$2)))  |                     |                  |
| L        |        | Lopocitional Insquencyal//   | <u> </u>            | L                |

| 116   (((vary\$5 chang\$5) same (pm (phase\$2 ad)   modulat\$5)) and ((vary\$5 chang\$5) same (fm (frequency\$2 ad) modulat\$5))) and ((vary\$5 chang\$5) mear2 (prf (pulse\$2 ad)   modulat\$5)) and ((vary\$5 chang\$5) same (fm (frequency\$2 ad) modulat\$5))) and ((vary\$5 chang\$5) same (fm (pulse\$2 ad) repertition\$2 ad) frequency\$2])) same (control\$7 ade reministically\$2 chancinally\$2) chancinally\$2)   modulat\$5)) and ((vary\$5 chang\$5) same (control\$7 ade reministically\$2 chancinally\$2)   modulat\$2 ad) frequency\$2])   modulat\$2 ad) repertition\$2 ad) frequency\$2])   modulat\$2 ad) repertition\$2 ad frequency\$2])   modulat\$2 ad frequency\$2])   modulat\$3 ad frequency\$2])   modulat\$3 ad frequency\$2])   modulat\$4 ad frequency\$2]   modulat\$3 ad frequency\$2])   modulat\$4 ad frequency\$2]   modulat\$4                            |          |     |   |           |                  |
|--|----------|-----|---|-----------|------------------|
| (fm (frequency2 adj modulat\$5))) and ((vary\$5 chang\$5) near2 (prf (pulse\$2 repetition\$2 frequency\$2))) and ((vary\$5 chang\$5) near2 (prf (pulse\$2 adj modulat\$5))) and ((vary\$5 chang\$5) near2 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) and ((vary\$5 chang\$5) near2 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))   | -        | 116 |   | USPAT     | 2002/10/18 15:40 |
| ((vary85 chanq85) near2 (prf (pulse\$2 repetition\$2 frequency\$2 ) and ((suppress\$5 eliminat55 detect\$5) near3 (interference\$2 close\$2 clutter\$2)  |          |     |   |           |                  |
| repetitions2 frequency32])   and   ((suppress55 eliminat55 determin51)   and ((vary55) chang55)   same (pm (pm) (pm) (pm) (pm) (pm) (pm) (pm)  |          |     |   |           |                  |
| ((varys) chang5) near4 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near4 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near4 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near4 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 chang5) near6 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controls) deterministicallyS2 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controlS2 deterministicallyS2 (prf (pulseS2 adj repetitionS2 adj frequencyS2)) same (controlS2 (incS2 add frequencyS2)) same (controlS2 (incS2 add) repetitionS2 add) repetitionS2 add frequencyS2)) same (controlS2 (incS2 add) repetitionS2 add frequencyS2)) same (controlS2 (incS2 add) repetitionS2 add) repetitionS2 add frequencyS2)) same (controlS2 (incS2 withoutS2) near2 orderS2) chaoticallyS2) and ((detectS5 suppressS5 eliminatS5 filtS3 determinS5 sensS5) near4 (prf (pulseS2 add) septitionS2  |          |     |   |           |                  |
| (interference\$2 noise\$2 clutter\$2])   1 ((vary\$5 chang\$5) same (mphase\$2 adj modulat\$5))) and (frequency\$2 adj modulat\$5))) and (frequency\$2))   187 ((vary\$5 chang\$5) near4 (pff (pulse\$2 adj tepertition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and (frequency\$2)) same (control\$7 deterministically\$2 adj tepertition\$2 adj frequency\$1)) same (frequency\$2) and (frequency\$2)) same (control\$7 deterministically\$2 adj tepertition\$2 adj frequency\$1)) same (frequency\$2) and (frequency\$2)) same (sominist\$5 file\$5 determin\$5 sens\$5) near4 (pff (pulse\$2 adj tepertition\$2 adj frequency\$1)) same (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and (deterministically\$2 and (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and (deterministically\$2 and (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and (deterministically\$2 irregularit\$5)) and (deterministically\$2 irregularit\$5) and (frequency\$2)) same (control\$7 deterministically\$2 irregularit\$5) and (frequency\$2)) same (contro  |          |     | repetition\$2 frequency\$2))) ) and           |           |                  |
| 1 ((varys) changs) same (pm (phase)2 adj modulats))) and ((varys) changs) mear (pm (phase)2 adj repetitions2 adj frequency32)) and ((varys) changs) mear (pm (phase)2 adj repetitions2 adj frequency32))   |          | 1   | ((suppress\$5 eliminat\$5 detect\$5) near3    |           | <b>!</b>         |
| modularS3) ) and ((vary\$5 chang\$5) same (fm (frequency22 adj modulat\$5))) and ((vary\$5 chang\$5) near2 (prf (pulse\$2 adj repertition\$2 adj frequency\$2)))   |          |     | (interference\$2 noise\$2 clutter\$2))        |           | 1                |
| modulat\$\$) and ((vary\$5 chang\$5) same (fm (frequency\$2 adj modulat\$\$))) and ((vary\$5 chang\$5) mear2 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)))  | -        | 1   | ((vary\$5 chang\$5) same (pm (phase\$2 adj    | USPAT     | 2002/10/19 21:03 |
| (fm (frequency32 adj modulat55))) and ((vary55 chang55) near2 (prf (pulse82 adj) repetition52 adj frequency42))  2 ((vary55 chang55) same (mn (phase\$2 adj) (fm (frequency42 adj modulat55))) and ((vary55 chang53) same (fm (frequency42 adj modulat55))) and (vary55 chang53) same (fm (frequency42 adj modulat55)) same (fortno187 deterministically58) chaotically52)  - 40 (((vary55 chang55) near4 (prf (pulse82 adj) repetition52 adj frequency52))) same (contro187 deterministically52 chaotically52) and ((determin55) near4 (contro187 deterministically52 chaotically52) and ((detect55 suppress55 eliminat55 file59 and federect55 suppress55 eliminat55 file59 determin55 sens55) near4 (noise52 interference\$2 clutter\$2 irregularit\$51)) and (detect55 suppress55 eliminat55 file59 determin55 sens55) near4 (noise52 interference\$2 clutter\$2 irregularit\$51)) and (detect55 suppress55 eliminat55 file59 determin55 sens55) near4 (noise52 interference\$2 clutter\$2 irregularit\$51)) and (detect55 suppress55 eliminat55 file59 determin55 sens55) near4 (noise52 interference\$2 clutter\$2 irregularit\$51)) and (detect55 suppress55 eliminat55 file59 determin55 sens55) near4 (noise52 interference\$2 clutter\$2 irregularit\$51) and ((avy55 chang55)) near4 (noise52 interference\$2 clutter\$2 irregularit\$51)) and (vary55 chang55) near4 (of (carrier\$2 near2 (signal\$2)) same (contro187 deterministically\$2 chaotically\$2)) and (vary55 chang55) near4 (of (carrier\$2 near2 (signal\$2)) same (contro187 deterministically\$2 chaotically\$2) and (vary55 chang55) near4 (of (carrier\$2 near2 (signal\$2)) same (contro187 deterministically\$2 irregularit\$51)) and (vary55 chang55) near4 (of (carrier\$2 near2 (signal\$2)) same (contro187 deterministically\$2 irregularit\$51) and (vary55 chang55) near4 (of (carrier\$2 near2 (signal\$2)) same (contro187 deterministically\$2 irregularit\$51) and (vary55 chang55) near4 (of (carrier\$2 near2 (signal\$2)) same (contro187 deterministically\$2 irregularit\$51)  - 40 ((vary55 chang55) near4 (prf (pulse\$2 adj) repetition\$2 adj frequency\$21)) same (cont   |          |     |   |           | 1                |
| ((vary\$c chang\$5) near2 (prf (pulse\$2 adj repertition\$2 adj frequency\$21))  |          |     |   |           | 1                |
| repetitionS2 adj frequencyS2))) 2 ((varyS5 changS5) same (fm (frequencyS2 adj modulatS5))) and ((varyS5 changS5) same (fm (frequencyS2 adj modulatS5))) and ((varyS5 changS5) near2 (prf (pulseS2 adj repetitionS2 adj frequencyS2)))   187 ((varyS5 changS5) near4 (prf (pulseS2 adj controlS7 deterministicallyS2  |          |     |   |           |                  |
| -     2  |          |     |   |           | ĺ                |
| modulat55)) and ((vary5 chang5) same   (fm (frequency2 adj modulat58))) and ((vary5 chang5) near2 (prf (pulse2 adj repetition52 adj frequency21))  | _        | 2   |   | HISPAT:   | 2002/10/18 17:34 |
| (fm (frequency\$2 adj modulat\$\$)) and ((vary\$5 chang\$5) near2 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))  |          | _   |   |           | 2002, 10, 10     |
| Controls   |          |     |   |           |                  |
| Tepetition\$2 adj frequency\$2))   |          |     |   | · ·       |                  |
| -   187  |          |     |   |           | 1                |
| repetition\$2 adj frequency\$2)) same (control\$7 deterministically\$2   |          | 107 |   |           | 2002/10/10 17.51 |
|  | <b>-</b> | 187 |   |           | 2002/10/19 17:51 |
| chaotically\$2)  - 40 ((((urysy5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and (loetect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 irregularit\$5))] and ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)  - 1 ((((ury\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and (loetect\$5 suppress\$5 eliminat\$5 filt\$5 determini\$5 sens\$5) near4 (prf (pulse\$2 and chaotically\$2) and (leetect\$5 suppress\$5 eliminat\$5 filt\$5 determini\$5 sens\$5) near4 (prf (pulse\$2 and chaotically\$2) and (leetect\$5 suppress\$5 eliminat\$5 filt\$5 deterministically\$2 and (control\$7 deterministically\$2 and (chaotically\$2) and (leetect\$5 suppress\$5 eliminat\$5 filt\$5 determini\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and (leetect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 irregularit\$5))) and ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 (control\$7 deterministically\$2 (control\$7 deterministically\$2 (prepetition\$2 adj frequency\$2))) same (repetition\$2 adj frequency\$2)) same (control\$7 deterministically\$2 (prepetition\$2 adj frequency\$2))) same (repetition\$2 adj frequency\$2)) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) and (leetect\$5 suppress\$5 chaotically\$2) chaotically\$2) and (leetect\$6 suppress\$5 chaotically\$2) and (leetect\$6 suppress\$5 chaotically\$2) chaotically\$2) same (random\$2 ((no\$2 without\$2) near2 order\$2 adj (prepetition\$2 adj frequency\$2)) same (random\$2 ((no\$2 without\$2) near2 order\$2 adj (prepetition\$2 adj frequency\$2)) same (random\$2 ((no\$2 without\$2) near2 order\$2 adj (prepetition\$2 adj frequency\$2)) same (random\$2 (no\$2 without\$2) near2 order\$2 adj (prepetition\$2 adj frequency\$2)) same (prepetition\$2 ad                           |          |     |   |           |                  |
| 40 (((((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 determinstically\$2) chaotically\$2)) and ((detect\$5 suppres\$5 performer (noise\$2 interference\$2 clutter\$2 performer\$2 ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm))  |          |     |   | 1         |                  |
| -  |          |     | chaotically\$2)                               |           |                  |
| adj repetitions2 adj frequencys21) same (controls7 determinstically92) chaotically52) and (idetect\$5 suppress55 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5))) and ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency\$2))) same ((control\$7 determinstically\$2 chaotically\$2)) and (idetect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5)) and (idetect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5))) and determin\$stically\$2 and chaotically\$2 and determin\$stically\$2 chaotically\$2) and determin\$stically\$2 chaotically\$2) and (idetect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5))) and ((vary\$5 chang\$5) near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5))) and (idetect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5))) and (idetect\$5 suppress\$5 near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5))) and (idetect\$5 suppress\$5 near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5)) and (idetect\$5 suppress\$5 near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5)) and (idetect\$5 suppress\$5 near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5)) and (idetect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5)) and (idetect\$5 suppress\$5 near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5)) and (idetect\$5 sup                  |          |     |   | -         |                  |
| Controls7 deterministically82   DEPO; JPO; Chaotically82) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2   irregularit\$5)) and ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm))  | -        | 40  |   | 1         | 2002/10/19 18:08 |
| Controls7 deterministically82   DEPO; JPO; Chaotically82) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2   irregularit\$5)) and ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm))  |          |     |   |           |                  |
| chaotically\$2) and ((detect\$5 suppress5   eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2   irregularit\$5)) and ((vary\$5 chang\$5) (cf (carrier\$2 mear2 (signal\$2 frequency)) fm pm))  |          |     | (control\$7 deterministically\$2              |           | 1                |
| eliminat55 filt\$5 determin55 sens\$5) near4 (noiss\$2 interserence\$2 clutter\$2 irregularit55)) and ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm))   |          |     |   | DERWENT;  |                  |
| (noise\$2 interference\$2 clutter\$2   irregularit5\$)) and ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)  | 1        |     |   |           |                  |
|  | 1        |     |   | _         |                  |
| (carrier\$2 near2 (signal\$2 frequency)) fm pm))  ((((vary\$5 chang\$5) near4 (prf (pulse\$2 USPAT; control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5)]) and deterministically\$2 and chaotically\$2 and (haotically\$2) and (frequency\$2))) same (control\$7 deterministically\$2 and chaotically\$2 and (frequency\$2)) same (control\$7 deterministically\$2 chaotically\$2) and (detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 irregularit\$5)]) and (detect\$5 suppress\$5 near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5)]) and (detect\$5 suppress\$5 near4 (for\$6 (carrier\$2 near2 (signal\$2 frequency)) fm pm))  - 40 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2) chaotically\$2) and (detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (USPAT; US-PGPUB; EPO; JPO; DetawENT; eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2) irregularit\$5)]  - 22 ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((nos\$2 without\$2) near2 order\$2) chaotically\$2) and ((detect\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency\$2)) EPO; JPO; JPO; DetawENT; IBM TOB pm)) same random\$2)  - 608 342/159.cels.  0 USPAT;  |          |     |   |           |                  |
| pmm )   ((((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2) chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 and chaotically\$2) and (detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5)) and ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same ((control\$7 deterministically\$2 irregularit\$5)) and ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (noise\$2 interference\$2 clutter\$2 liminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 (noise\$2 interference\$2 clutter\$2 liminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 liminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (random\$2 ((nos\$2 without\$2) near2 order\$2) chaotically\$2) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency\$2)) beam (us-PegUB; chaotically\$2) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency\$2)) fm pm)) same random\$2) same ran                       |          |     |   |           | İ                |
| -     ((((vary\$5 chang\$5) near4 (prf (pulse\$2 dof prepetition\$2 dof frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5)) and deterministically\$2 and chaotically\$2 and chaotically\$2 ((((vary\$5 chang\$5) near4 (prf (pulse\$2 dof) repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and ((vary\$5 chang\$5) near4 (prf (pulse\$2 dof) repetition\$2 adj frequency\$2)) same (control\$7 deterministically\$2 frequency\$1) same ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 frequency\$1) same (control\$7 deterministically\$2 irregularit\$5); eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (control\$7 deterministically\$2 irregularit\$5); eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (control\$7 deterministically\$2 irregularit\$5); eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (control\$7 deterministically\$2 irregularit\$5); eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj prepetition\$2 adj frequency\$2)) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) chaotically\$2) and (((vary\$5 chang\$5) (prf (pulse\$2 adj prepetition\$2 adj frequency\$2)) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) and (((vary\$5 chang\$5) (prf (pulse\$2 adj prepetition\$2 adj frequency\$2)) same (prf (pulse\$2 adj prepetition\$2 adj frequency\$2)) same (prf (pulse\$2 adj prepetition\$2 adj frequency\$2)) same (prf (pulse\$2 adj prepetition\$2                                |          |     |   |           |                  |
| adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and deterministically\$2 and chaotically\$2 and chaotically\$2 ((((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5)) and ((vary\$5 chang\$5) near4 (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and (detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))  - 22 ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  - 21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) chaotically\$2) and ((detect\$5 suppress\$5 elominat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))  - 22 (signal\$2 frequency\$2)) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) chaotically\$2) and ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) and ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 (no\$2 without\$2) near2 order\$2) chaotically\$2) chaotically\$2) and ((vary\$5 chang\$5) and ((vary\$5 c              | l _      | 1   |   | USPAT:    | 2002/10/18 18:03 |
| Ccontrol\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and deterministically\$2 and chaotically\$2 and chaotically\$2 ((((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2) chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and ((vary\$5 chang\$5) near4 (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm) (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2) chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (noise\$2 interference\$2 clutter\$2 irregularit\$5) ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) and ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) near2 (signal\$2 frequency\$2)) same (random\$2 (no\$2 without\$2) near2 order\$2) chaotically\$2) near2 (signal\$2 frequency\$1) fm pm)) same random\$2] SPAT: US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  |          | 1   |   | 1         | ,,               |
| chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 and chaotically\$2 and chaotically\$2 and chaotically\$2 and chaotically\$2 ((((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and ((vary\$5 chang\$5) near4 (cf (carrier\$2 near2 (signal\$2 frequency))) same (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency\$2))) berwent; IBM_TDB (proposition\$2 (no\$2 without\$2) near2 order\$2) chaotically\$2) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency\$2)) berwent; IBM_TDB (proposition\$2 (no\$2 without\$2) near2 order\$2) chaotically\$2) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency\$2)) berwent; IBM_TDB (proposition\$2 (pro                        |          |     |   | 1         |                  |
| eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and deterministically\$2 and chaotically\$2 ((((vary\$5 chang\$5) near4 (prf (pulse\$2 doi) repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and ((vary\$5 chang\$5) near4 (cf (carrier\$2 near2 (signal\$2 frequency)) fm (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj requency\$2)) same (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2) and ((vary\$5 chang\$5) for (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2] display frequency\$2) fm pm pm) same random\$2] display frequency\$2) fm pm   |          | 1   |   | l .       |                  |
| (noise\$2 interference\$2 clutter\$2 and chaotically\$2 and chaotically\$2 (((((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irreqularit\$5)) and ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 near4 (cf (carrier\$2 near2 (signal\$2 frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (Deterministically\$2 (control\$7 deterministically\$2 (control\$7 deterministically\$2 (control\$7 deterministically\$2 (control\$7 deterministically\$2 (control\$7 deterministically\$2 (control\$7 deterministically\$2 (control\$7 deterministically\$2) same (control\$7 deterministically\$2 (control\$7                              |          |     |   | 1         |                  |
| Irregularit\$5))) and deterministically\$2   and chaotically\$2   ((((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2   EPO; JPO; Chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and ((vary\$5 chang\$5) near4 (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm))  |          |     |   | TDIJ-IDB  |                  |
| and chaotically\$2  (((((((((((((((((((((((((((((((((((  | 1        |     |   |           |                  |
| -  | 1        |     |   |           |                  |
| adj repetition\$2 adj frequency\$2)) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5)) and ((vary\$5 chanq\$5) near4 (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm))  ((vary\$5 chanq\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (control\$7 deterministically\$2 chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))  ((vary\$5 chanq\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  - 21 (((vary\$5 chanq\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  - 21 (((vary\$5 chanq\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and (((vary\$5 chanq\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm) same random\$2)  - 608 342/159.ccls.  USPAT; US   | 1        |     |   |           | 0000/10/10 10 00 |
| <pre>(control\$7 deterministically\$2     chaotically\$2) and ((detect\$5 suppress\$5     eliminat\$5 filt\$5 determin\$5 sens\$5) near4     (noise\$2 interference\$2 clutter\$2     irregularit\$5))) and ((vary\$5 chang\$5)     near4 (cf (carrier\$2 near2 (signal\$2     frequency)) fm pm)) (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj     repetition\$2 adj frequency\$2))) same     (noise\$2 interference\$2 clutter\$2     chaotically\$2)) and ((detect\$5 suppress\$5     eliminat\$5 filt\$5 determin\$5 sens\$5) near4     (noise\$2 interference\$2 clutter\$2     irregularit\$5))  22 ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj     repetition\$2 adj frequency\$2))) same     (random\$2 ((no\$2 without\$2) near2 order\$2)     chaotically\$2)  - 21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj     repetition\$2 adj frequency\$2))) same     (random\$2 ((no\$2 without\$2) near2 order\$2)     chaotically\$2)) and (((vary\$5 chang\$5) (cf     (carrier\$2 near2 (signal\$2 frequency)) fm     pm)) same random\$2)  - 608 342/159.ccls.  EPO; JPO; DERWENT;  IBM_TDB  2002/10/19 17:58  EPO; JPO; DERWENT;  USPAT; US-FGPUB; EPO; JPO; DERWENT; USPAT; USPAT; US-FGPUB; EPO; JPO; DERWENT;  EPO; JPO; DERWENT;  EPO; JPO; DERWENT;  EPO; JPO; DERWENT; EPO; JPO;</pre>  | 1 -      | 1   |   |           | 2002/10/18 18:05 |
| chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))) and ((vary\$5 chang\$5) near4 (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm))  40 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (noise\$2 interference\$2 clutter\$2 irregularit\$5))  40 ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  41 ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency))) fm pm)) same random\$2)  42 (signal\$2 frequency) fm pm)) same random\$2)  43 (vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2)) same (prints part order\$2) chaotically\$2) and ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  44 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  45 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB   | 1        |     |   | 1         |                  |
| eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5)) and ((vary\$5 chang\$5) near4 (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm))  - 40 ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (control\$7 deterministically\$2 EPO; JPO; chaotically\$2) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))  - 22 ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  - 21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  - 21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2] (no\$2 without\$2) near2 order\$2) chaotically\$2) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2] (no\$2 without\$2) near2 order\$2) (no\$2 without\$2) near2 order\$ |          |     | (control\$7 deterministically\$2              | 1         |                  |
| (noise\$2 interference\$2 clutter\$2   irregularit\$5)) and ((vary\$5 chang\$5)   near4 (cf (carrier\$2 near2 (signal\$2   frequency)) fm pm))   | 1        |     |   |           | (m)              |
| Irregularit\$5))) and ((vary\$5 chang\$5)   near4 (cf (carrier\$2 near2 (signal\$2   frequency)) fm pm))   | 1        |     |   | IBM_TDB   |                  |
| near4 (cf (carrier\$2 near2 (signal\$2   frequency)) fm pm))   |          |     | (noise\$2 interference\$2 clutter\$2          |           |                  |
| near4 (cf (carrier\$2 near2 (signal\$2   frequency)) fm pm))   |          |     |   |           |                  |
| frequency)) fm pm))  |          |     |   |           |                  |
| 40   |          | 1   | frequency)) fm pm))                           |           |                  |
| repetition\$2 adj frequency\$2)) same (control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))  ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  - 21 ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same ((control\$7 adj frequency\$2))) same ((control\$7 adj frequency\$2)) same (control\$7 adj frequency\$2) (control\$8 adj                            | -        | 40  | (((vary\$5 chang\$5) near4 (prf (pulse\$2 adi | USPAT;    | 2002/10/18 18:05 |
| <pre>(control\$7 deterministically\$2 chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5)) ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  - 21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same ((random\$2 ((no\$2 without\$2) near2 order\$2)) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls.</pre> EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  2002/10/19 18:21 USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;  |          |     |   | 1         |                  |
| chaotically\$2)) and ((detect\$5 suppress\$5 eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))  ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2)) same (random\$2 ((no\$2 without\$2))) same (random\$2 ((no\$2 without\$2))) same (random\$2 ((no\$2 without\$2))) same (random\$2 ((no\$2 without\$2)) near2 order\$2) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  608 342/159.ccls.  Chaotically\$2)  USPAT;   |          |     |   | 1         |                  |
| eliminat\$5 filt\$5 determin\$5 sens\$5) near4 (noise\$2 interference\$2 clutter\$2 irregularit\$5))  ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and ((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  608  608  400  400  400  400  400  400   |          |     |   |           |                  |
| (noise\$2 interference\$2 clutter\$2 irregularit\$5)) ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) EPO; JPO; chaotically\$2)  21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) EPO; JPO; chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls.  USPAT; USP  | 1        |     |   |           |                  |
| 1  | 1        |     |   |           |                  |
| - 22 ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) (DERWENT; IBM_TDB ((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) (random\$2 ((no\$2 without\$2) near2 order\$2) (random\$2 ((no\$2 without\$2) near2 order\$2) (chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls. USPAT; USPAT   | 1        |     |   |           |                  |
| repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  608 342/159.ccls.  US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;  | 1        |     |   | HCDATT-   | 3003/10/10 17:50 |
| <pre>(random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)  21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls.  EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT;</pre>   | 1-       | 22  |   | 1         | 2002/10/19 17:58 |
| chaotically\$2)  (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  608 342/159.ccls.  DERWENT; IBM_TDB  US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  USPAT; US-PGPUB; EPO; JPO; DERWENT;  | 1        |     |   | ,         |                  |
| - 21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls. USPAT;   |          |     |   | T .       |                  |
| - 21 (((vary\$5 chang\$5) near4 (prf (pulse\$2 adj repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls. USPAT;   | 1        |     | chaotically\$2)                               |           |                  |
| repetition\$2 adj frequency\$2))) same (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls.  US-PGPUB; EPO; JPO; USPAT; US-PGPUB; EPO; JPO; DERWENT;   | 1        |     | · ·   | _         | 1                |
| (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT;   | -        | 21  |   | USPAT;    | 2002/10/19 18:21 |
| (random\$2 ((no\$2 without\$2) near2 order\$2) chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT;   | 1        | [   |   | US-PGPUB; |                  |
| chaotically\$2)) and (((vary\$5 chang\$5) (cf (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT;  | 1        |     |   | EPO; JPO; |                  |
| (carrier\$2 near2 (signal\$2 frequency)) fm pm)) same random\$2)  - 608 342/159.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT;  |          |     |   | DERWENT;  |                  |
| pm)) same random\$2) - 608 342/159.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT;   | 1        |     |   |           |                  |
| - 608 342/159.ccls. USPAT; 2002/10/19 18:26 US-PGPUB; EPO; JPO; DERWENT;   | 1        |     |   | _         | ]                |
| US-PGPUB;<br>EPO; JPO;<br>DERWENT;   | -        | 608 |   | USPAT:    | 2002/10/19 18:26 |
| EPO; JPO; DERWENT;   | I        |     | 1,,   |           | 1 200, 20, 20    |
| DERWENT;   |          | ]   |   |           |                  |
|  |          | ]   |   |           |                  |
| I DM I DM  |          | 1   |   |           | 1                |
|  |          |     |   | TOLI IND  | L                |

|   |     | • '                                       | •         |                  |
|---|-----|---|-----------|------------------|
| _ | 157 | 342/137.ccls.                             | USPAT;    | 2002/10/19 18:26 |
|   |     |   | US-PGPUB; |                  |
|   |     |   | EPO; JPO; |                  |
|   |     |   | DERWENT;  | ŀ                |
|   |     |   | IBM TDB   |                  |
| _ | 98  | 342/161.ccls.                             | USPAT;    | 2002/10/19 18:27 |
|   |     |   | US-PGPUB; |                  |
|   |     |   | EPO; JPO; |                  |
|   |     |   | DERWENT;  |                  |
|   |     |   | IBM TDB   |                  |
| _ | 235 | 342/162.ccls.                             | USPAT;    | 2002/10/19 18:27 |
|   |     |   | US-PGPUB; |                  |
|   |     |   | EPO; JPO; |                  |
|   |     |   | DERWENT;  |                  |
|   |     |   | IBM TDB   |                  |
| _ | 32  | 342/168.ccls.                             | USPAT;    | 2002/10/19 18:28 |
|   |     |   | US-PGPUB; |                  |
|   |     |   | EPO; JPO; |                  |
|   |     |   | DERWENT;  |                  |
|   |     |   | IBM TDB   |                  |
| - | 32  | 342/18.ccls.                              | USPAT;    | 2002/10/19 18:28 |
|   |     |   | US-PGPUB; |                  |
|   |     |   | EPO; JPO; |                  |
|   |     |   | DERWENT;  |                  |
|   |     |   | IBM_TDB   |                  |
| - | 19  | ((vary\$5 chang\$5) near3 (carrier\$2 adj | USPAT     | 2002/10/19 22:11 |
|   |     | frequency\$2)) same (phase\$2 adj         |           |                  |
|   | 1   | modulation\$2)                            |           |                  |
| - | 13  | (((:::===:============================    | USPAT     | 2002/10/19 21:20 |
|   |     | frequency\$2)) same (phase\$2 adj         |           |                  |
|   |     | modulation\$2) ) and ((frequency\$2 adj   |           |                  |
|   |     | modulation) FM)                           |           |                  |
| - | 58  | ((vary\$5 chang\$5) near3 (carrier\$2 adj | USPAT     | 2002/10/19 22:13 |
|   |     | frequency\$2)) same (sudden\$2 random\$2) | l         | 1                |